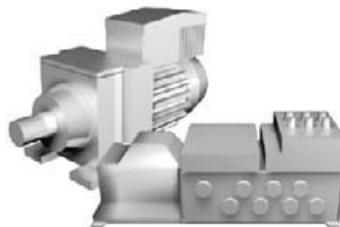
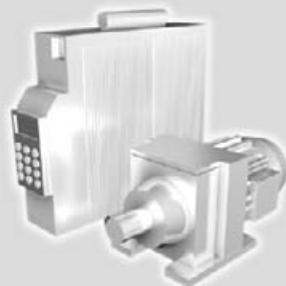




**SEW  
EURODRIVE**



**MOVITRANS® SHELL TPS  
Startup Software Version 1.0**

FC430000

Edition 10/2004  
11272716 / EN

**Manual**



**SEW**  
EURODRIVE

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## Important Notes

### 1 Important Notes

#### Safety and warning notes

Always observe the safety and warning instructions in this publication!

#### Hazard



Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

#### Warning



Indicates an imminently hazardous situation caused by the product which, if not avoided, WILL result in death or serious injury. You will also find this signal to indicate potential for damage to property.

#### Caution



Indicates a potentially hazardous situation which, if not avoided, MAY result in minor injury or damage to products.

#### Note



Indicates a reference to useful information, e.g. on startup.

#### Documentation reference



Indicates a reference to a document, such as operating instructions, a catalog or a data sheet.

You must adhere to the **operating instructions** to ensure:



- **Fault-free operation**
- **Fulfillment of any rights to claim under limited warranty**

Therefore, you should read the **operating instructions** for the individual **components** before installing the MOVITRANS® SHELL TPS startup software and starting the MOVITRANS® TPS10A stationary converter.

**Designated use**

MOVITRANS® TPS10A stationary converters are intended for use in industrial and commercial systems for the operation of contactless power transmission systems. Only connect the stipulated and suitable components to the stationary converter.

MOVITRANS® TPS10A stationary converters are designed to be installed in control cabinets. Observe all instructions on the technical data and the permitted conditions where the unit is operated.

Do not start up the unit (take it into operation in the designated fashion) until you have established that the machine complies with the EMC Directive 89/336/EEC and that the conformity of the end product has been determined in accordance with the Machinery Directive 89/392/EEC (with reference to EN 60204).

The rules and regulations of the Professional Association (Berufsgenossenschaft, BG), in particular BG rule B11 "Electromagnetic fields", must be observed during installation, startup and operation of systems with contactless energy transfer by induction **for use in industrial workplaces**.

**Operational environment**

**The following uses are forbidden, unless measures are expressly taken to make them possible:**

- In explosion-proof areas
- In areas exposed to harmful oils, acids, gases, vapors, dust, radiation, etc.
- In non-stationary applications with mechanical vibration and shock loads exceeding the values stipulated in EN 50178

**Waste disposal**

Please follow the latest instructions: Dispose in accordance with the material structure and the regulations in force, for instance as:

- Electronics scrap (circuit boards)
  - Plastic (housing)
  - Sheet metal
  - Copper
- etc.



## Introduction

### What is MOVITRANS® SHELL TPS?

## 2 Introduction

### 2.1 What is MOVITRANS® SHELL TPS?

**Description** MOVITRANS® SHELL TPS is a program you can use to display the current process values and unit functions of the MOVITRANS® TPS10A stationary converter.

### 2.2 Application areas

**Application** MOVITRANS® SHELL TPS is used when it is important that you know what the current process and display values or the diagnostic characteristics are, for example, for:

- Track compensation at startup
- Fault diagnostics and storage for solving problems

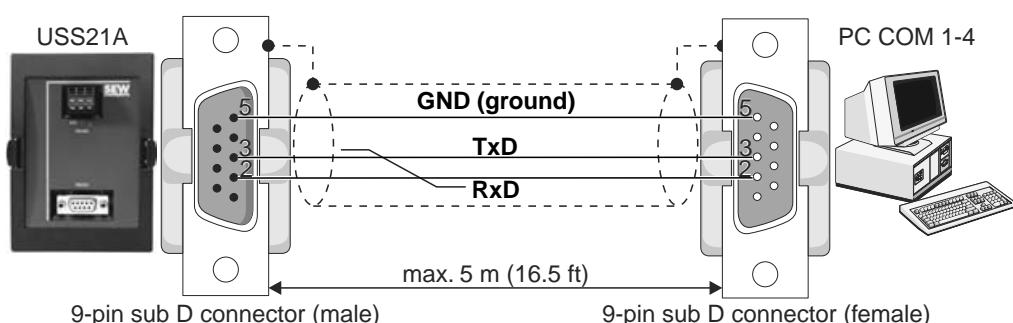
### 2.3 Prerequisites

**Communication** Communication between the MOVITRANS® TPS10A stationary converter and the host computer (PC or notebook) takes place via a serial interface.  
The MOVITRANS® TPS10A stationary converter must be fitted with an isolated USS21A (RS-232) interface and the host computer must have a free serial port.

### 2.4 Serial interface type USS21A (RS-232)

**Description** The USS21A (RS-232) serial interface is designed as a 9-pin sub-D socket (EIA standard) and fitted in a housing to be plugged into the inverter (TERMINAL slot). The option can be plugged in during operation. The transmission rate of the RS-232 interface is 9600 baud.

**Connection** Use a commercially-available, serial, shielded interface cable with 1:1 connection to connect the host computer (PC or notebook) to the USS21A (RS-232) serial interface.



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## 3 Installation

### 3.1 General information

**Installation** The following section describes how to install the MOVITRANS® SHELL TPS software.

### 3.2 Prerequisites

**Hardware** The host computer, on which the MOVITRANS® SHELL TPS startup software is installed, must meet the following system requirements:

- Processor: at least Pentium
- Main memory (RAM): at least 32 MB
- Available fixed disk storage: 3 MB
- Graphics card: 800 x 600, 256 colors (recommended: High Color 16-Bit)
- CD-ROM drive (when installing the CD-ROM)
- Operating system: Microsoft® Windows® 95, 98, NT 4.0, 2000 or XP

### 3.3 Installation

**Instructions** Proceed as follows to install the SHELL TPS software:

1. Insert the supplied data medium in the drive.
2. Select and copy the following files from the "Shell TPS" directory:
  - SHELLTPS.EXE
  - MOVILINKSER.DLL
  - MFC42D.DLL
  - MFCO42D.DLL
  - MSVCRTD.DLL
  - SHELLTPS\_Manual.pdf
3. Create a new folder in the target directory for the required drive, e.g. "C:\Programs\SEW\SHELLTPS"
4. Insert the files you copied in the new folder.
5. If necessary, create shortcuts to "SHELLTPS.exe" on your desktop or in the start menu.
6. Test your installation by starting the SHELL TPS software. To do so, choose one of the following options:
  - Double-click on the "SHELLTPS.EXE" icon in the installation folder
  - Use the mouse to navigate to the correct item in the start menu
  - Double-click on the shortcut you created on the desktop
7. Choose one of the following options to open the help file:
  - Double-click on the \_SHELLTPS\_Manual.pdf" icon in the installation folder
  - Select "?" / "User manual" from the menu bar in the SHELL TPS software



### **3.4 Program files**

#### **Overview**

The installed files have the following functions:

- **SHELLTPS.EXE:**

The "SHELLTPS.EXE" file is an executable program file (.EXE) used to start the software on the host computer (PC or notebook).

- **MOVILINKSER.DLL:**

The "MOVILINKSER.DLL" file is needed for serial communication with the connected MOVITRANS® TPS10A stationary converter.

- **MFC42D.DLL, MFCO42D.DLL and MSVCRTD.DLL:**

These files are MFC files (MFC = Microsoft Foundation Class) required for generating the interfaces.

- **SHELLTPS\_Manual.pdf:**

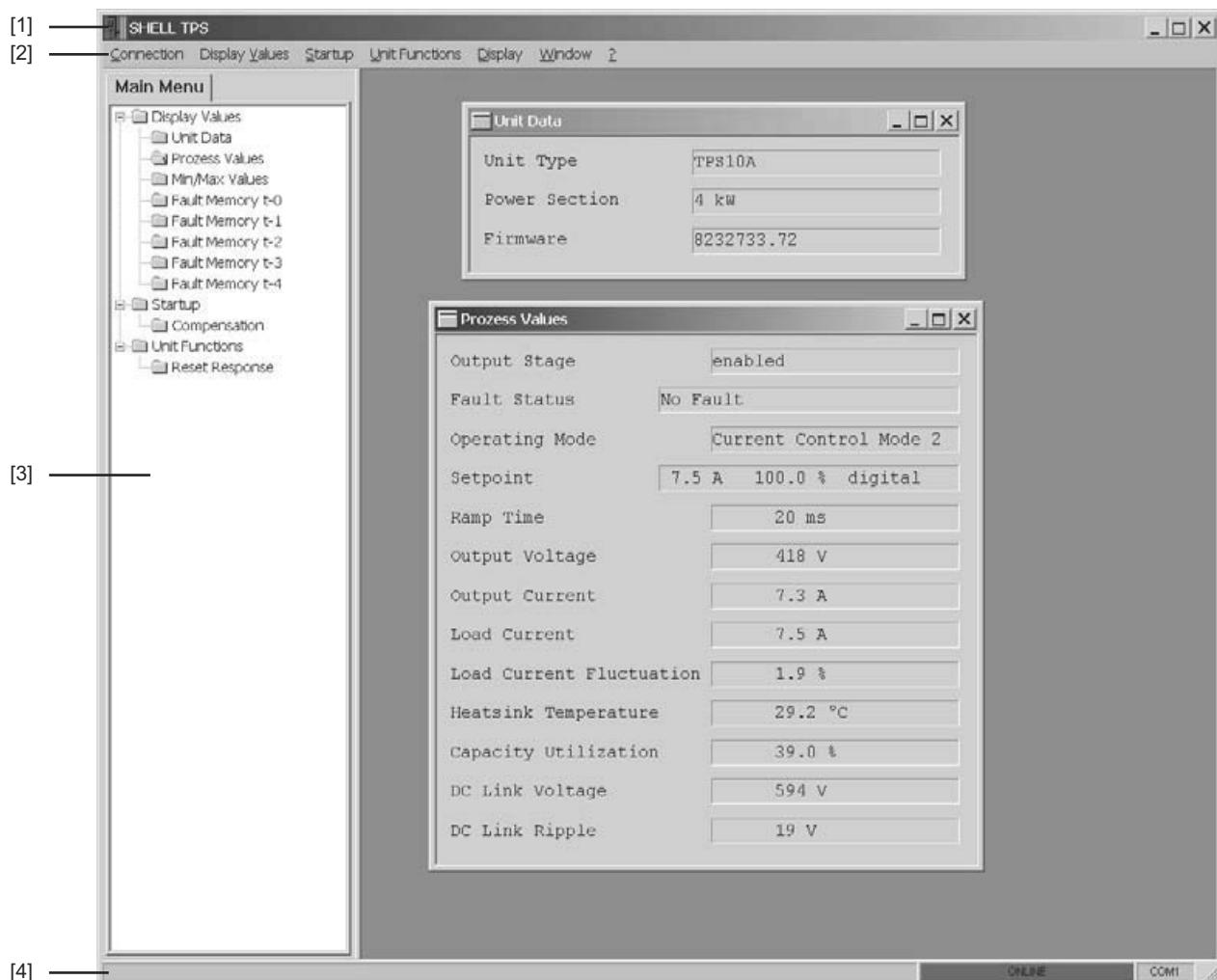
The "SHELLTPS\_Manual.pdf" file contains detailed documentation describing the design and functions of the startup software.



## 4 Layout

### 4.1 Screen layout

The SHELL TPS software interface is displayed when you start the program:



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- [1] Title bar
- [2] Menu bar
- [3] Work area
- [4] Status bar



## 4.2 Interface

### Elements

The interface of the SHELL TPS software includes a title bar, a menu bar, a work or display area and a status bar. The following section describes the functions and options available with these elements:

### Title bar

The title bar contains the icon and name of the program and the symbols for window control (minimize, enlarge/reduce, close).

### Menu bar

The menu bar displays the software's main menus. You can click on the menu bar to call up menu items offering additional display or editing options.

### Work and display area

The work area is the space between the menu bar and the status bar. The display values, startup data and the unit functions of the connected MOVITRANS® TPS10A stationary converter are displayed here.

The work area is divided into two areas: A list of possible display values is displayed on the left side. Windows containing detailed information are displayed on the right side. Click on one of the entries in the list on the left to open a window.

In the three groups "Display values", "Startup" and "Unit functions," the following information windows can be displayed individually or simultaneously:

- **Display values**
  - Unit data
  - Process values
  - Min./Max. values
  - Fault memory (t-0, t-1, t-2, t-3 and t-4)
- **Startup**
  - Compensation
- **Unit functions**
  - Reset response

### Status bar

The **current connection status** between the SHELL TPS software and the MOVITRANS® TPS10A stationary converter is displayed in the status bar.

- **Offline**

If the status "OFFLINE" is displayed, there is no connection between the host computer and the MOVITRANS® TPS10A stationary converter.

- **Online**

If the status "ONLINE" is displayed, the host computer is connected to the MOVITRANS® TPS10A stationary converter via a serial interface.

The SHELL TPS software detects the active connection to the stationary converter and reads in the current process values and unit data.

- **Standby**

If the status "STANDBY" is displayed, the connection between the host computer and the MOVITRANS® TPS10A stationary converter is interrupted.

The SHELL TPS software continues to try to receive and display process values via the selected serial interface.

If the connection to the MOVITRANS® TPS10A stationary converter is reestablished again correctly, the current process values can be received and displayed. The connection status changes back automatically to "ONLINE".



**Status change** The connection status changes when the connection is interrupted or if the stationary converter is switched off:

- If the SHELL TPS software is no longer able to receive current process values, the connection status changes automatically from "ONLINE" to "STANDBY".
- If the connection to the stationary converter is interrupted, the connection status changes from "ONLINE" to "OFFLINE".
- If the connection to the stationary converter is reestablished, the connection status changes from "OFFLINE" or "STANDBY" to "ONLINE".

**Function call** All information on the display values, startup data and unit functions can either be called up from the menu bar or from the list in the work area.

The connection between the host computer and the MOVITRANS® TPS10A stationary converter can be established or separated via the "Connection" menu in the menu bar. This function is only available in the menu bar.

**Window control** You can set the size of the windows as required:

- To change the width of the windows, click and hold the left mouse button and move the edge of the window to the left or the right.
- To change the height of the windows, click and hold the left mouse button and move the upper or lower edge of the window up or down.
- Both settings can be changed at the same time by clicking and holding the left mouse button and moving the right or left-hand corners of the window.

The standard window settings are displayed automatically.



## Operation

### Starting the program

## 5 Operation

### 5.1 Starting the program

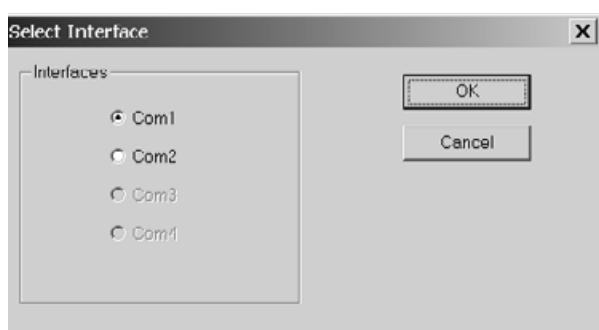
**Instructions** Proceed as follows to start the SHELL TPS software:

1. Make sure that the MOVITRANS® TPS10A stationary converter is fitted with a USS21A (RS-232) serial interface.
2. Connect the host computer (e.g. PC or notebook) to the MOVITRANS® TPS10A stationary converter using a commercially available serial interface.
3. Start the SHELL TPS software using one of the following options:
  - Double-click on the "SHELLTPS.EXE" icon in the installation folder
  - Use the mouse to navigate to the item you created in the start menu
  - Double-click on the shortcut you created on the desktop

### 5.2 Establishing a connection

**Instructions** Proceed as follows to establish a connection between the SHELL TPS software and the TPS10A stationary converter:

1. From the main menu, choose "Connection" / "Connect".  
The window "Select Interface" is displayed:



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2. Select one of the available interfaces.
3. Confirm your selection by clicking "OK".

The connection is established. The current connection status ("ONLINE" or "STANDBY") is displayed in the status bar.

### 5.3 Ending the connection

**Instructions** Proceed as follows to end the connection between the SHELL TPS software and the TPS10A stationary converter:

1. From the main menu, choose "Connection" / "Disconnect".

The connection is disconnected. The current connection status ("OFFLINE") is displayed in the status bar. The interface that was previously assigned is enabled.



The menu item "Disconnect" is only available when a connection has been established with the MOVITRANS® TPS10A stationary converter (connection status "ONLINE" or "STANDBY").



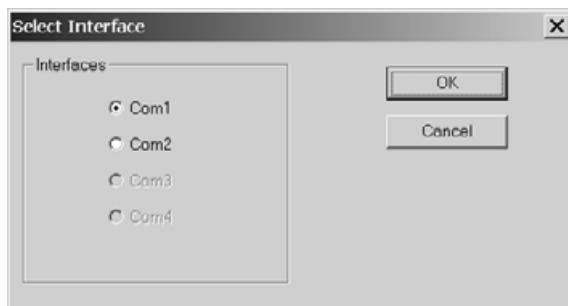
## 5.4 Changing the interface

### Instructions

Proceed as follows to change the interface connection between the SHELL TPS software and the TPS10A stationary converter:

- From the menu, choose "Connection" / "Change".

The window "Select Interface" is displayed:



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- Select one of the available interfaces.
- Confirm your selection by clicking "OK".

The connection is established via the selected interface. The current connection status ("ONLINE" or "STANDBY") is displayed in the status bar. The serial interface that was previously assigned is enabled.



The menu item "Change" is only available when a connection has been established with the MOVITRANS® TPS10A stationary converter (connection status "ONLINE" or "STANDBY").

## 5.5 Function call

### Instructions

Use one of the following options to call up the information windows of the SHELL TPS software:

- Select the required menu item from the menu bar.
- Open the information window by double-clicking on an entry in the list on the left-hand side of the work area.



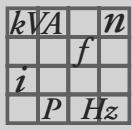
The "Connection" menu is only available in the menu bar.

## 5.6 Exiting the program

### Instructions

Use one of the following options to exit the SHELL TPS software:

- From the main menu, choose "Connection" / "Exit".
- Use the "Close" icon from the window control.
- Hold the Alt key down and press the "F4" function key.



## 6 Functions

The following section describes the information windows in the SHELL TPS software with the display values for start up and the unit functions.

### 6.1 Unit data

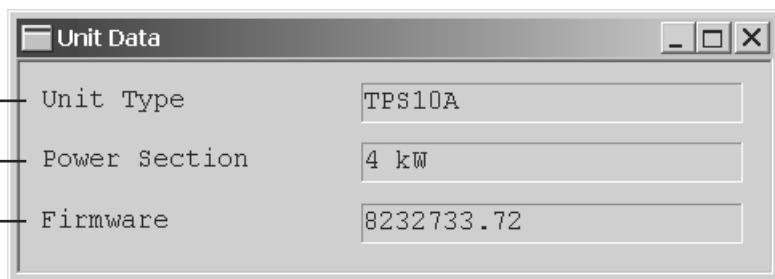
#### Display

Proceed as follows to display the unit data:

1. Choose the menu item "Unit Data" from the "Display Values" menu.

Alternatively, you can open the information window by double-clicking on the entry "Unit Data" in the list on the left side of the work area.

The "Unit Data" window is displayed:



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- [1] Unit type display field
- [2] Power section display field
- [3] Firmware display field

#### Description

The following information is displayed in the "Unit data" window:

- **Unit type [1]**

The connected unit type is displayed here.

- **Power section [2]**

The connected power section is displayed here.

- **Firmware [3]**

The firmware version is displayed here.

## 6.2 Process values

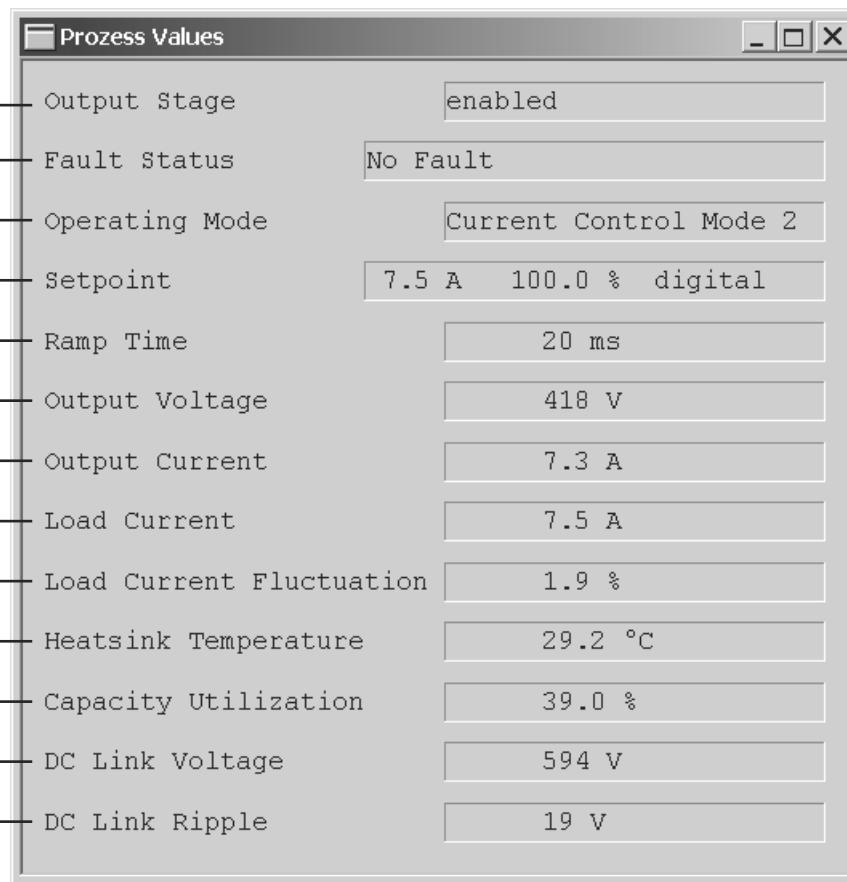
### Display

Proceed as follows to display the process values:

1. Choose the menu item "Process Values" from the "Display Values" menu.

Alternatively, you can open the information window by double-clicking on the entry "Process Values" in the list on the left side of the work area.

The "Process Values" window is displayed:



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- [1] Output stage display field
- [2] Fault status display field
- [3] Operating type display field
- [4] Setpoint display field
- [5] Ramp time display field
- [6] Output voltage display field
- [7] Output current display field
- [8] Load current display field
- [9] Load current fluctuation display field
- [10] Heat sink temperature display field
- [11] Capacity utilization display field
- [12] DC link voltage display field
- [13] DC link ripple display field



## Functions

### Process values

#### Description

The following information is displayed in the "Process Values" window:

- **Output stage [1]**

The status of the output stage is displayed here. The following display values are possible:

- **Inhibited**

The output stage is currently inhibited.

- **Enabled**

The output stage is currently enabled.

The status of the output stage can be influenced via binary input DI $\emptyset\emptyset$  or by a fault.



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

- **Fault status [2]**

The current fault status is displayed here. The following display values are possible:

- **No fault**

There is currently no fault.

- **Overcurrent**

The maximum permitted unit output current has been exceeded. This fault leads to an output stage inhibit.

- **External fault**

This fault is triggered when binary input DI $\emptyset 1$  = "0". This fault leads to an output stage inhibit.

- **Overtemperature**

The maximum permitted heat sink temperature has been exceeded. This fault leads to an output stage inhibit.

- **$U_z$  undervoltage**

The DC link voltage is too low. This fault leads to a fault message at binary output DO $\emptyset 2$ .



For more information on the possible causes of the faults and remedial measures, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

- **Operating mode [3]**

The current operating mode is displayed here. The following display values are possible:

- **Current control mode 1**

The MOVITRANS® TPS10A stationary converter is operating in the mode "Current control mode 1" (binary input DI $\emptyset 3$  = "0").

- **Current control mode 2**

The MOVITRANS® TPS10A stationary converter is operating in the mode "Current control mode 2" (binary input DI $\emptyset 3$  = "1").

- **Setpoint [4]**

The setpoint selection for the current is displayed here. The following display values are possible:

- **1.6 A 21.0 % analog**

The setpoint specification "Analog input" is made by setting terminals DI $\ominus$ 4 to "0" and DI $\ominus$ 5 to "0". The analog setpoint at terminal AI11 / AI12 is used as the setpoint, for example here 21 %  $I_L$ .

- **3.8 A 50.0 % digital**

The setpoint 50 %  $I_L$  is selected by setting the terminals DI $\ominus$ 3 to "1", DI $\ominus$ 4 to "0" and DI $\ominus$ 5 to "1".

- **7.5 A 100.0 % digital**

The setpoint 100 %  $I_L$  is selected by setting the terminals DI $\ominus$ 4 to "1" and DI $\ominus$ 5 to "1".

The percentages of the current setpoint are based on the values of the nominal load current  $I_L$ . The above values are examples of setpoints for a 4 kW MOVITRANS® TPS10A stationary converter with a nominal load current of  $I_L = 7.5 \text{ A}_{\text{eff}}$ .

- **Ramp time [5]**

The ramp time is displayed here.

- **Output voltage [6]**

The r.m.s. value of the output voltage is displayed here.

- **Output current [7]**

The r.m.s. value of the output current is displayed here.

- **Load current [8]**

The r.m.s. value of the load current is displayed here.

- **Load current fluctuation [9]**

The load current fluctuation is displayed here.

The load current fluctuation represents the fluctuation range of the load current based on the value of the nominal load current ( $\Delta I_L / I_L$ ).

- **Heat sink temperature [10]**

The heat sink temperature is displayed here.



## Functions

### Process values

- **Capacity utilization [11]**

The capacity utilization is displayed here.

The capacity utilization is the present unit output current based on the maximum permitted unit output current.

When the unit reaches a capacity utilization of 100 %, the unit switches off and outputs the fault message "Overcurrent".



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

- **DC link voltage [12]**

The DC link voltage is displayed here.

- **DC link ripple [13]**

The DC link ripple is displayed here.

The DC link ripple represents the fluctuation range of the DC link voltage.

### 6.3 Fault memory

The SHELL TPS software can store several faults. Five fault memories (t-0, t-1, t-2, t-3 and t-4) are available.

The faults are stored in chronological order with the most recent error event being stored in fault memory t-0. If more than five faults occur, the oldest fault, which is stored in fault memory t-4, is deleted.

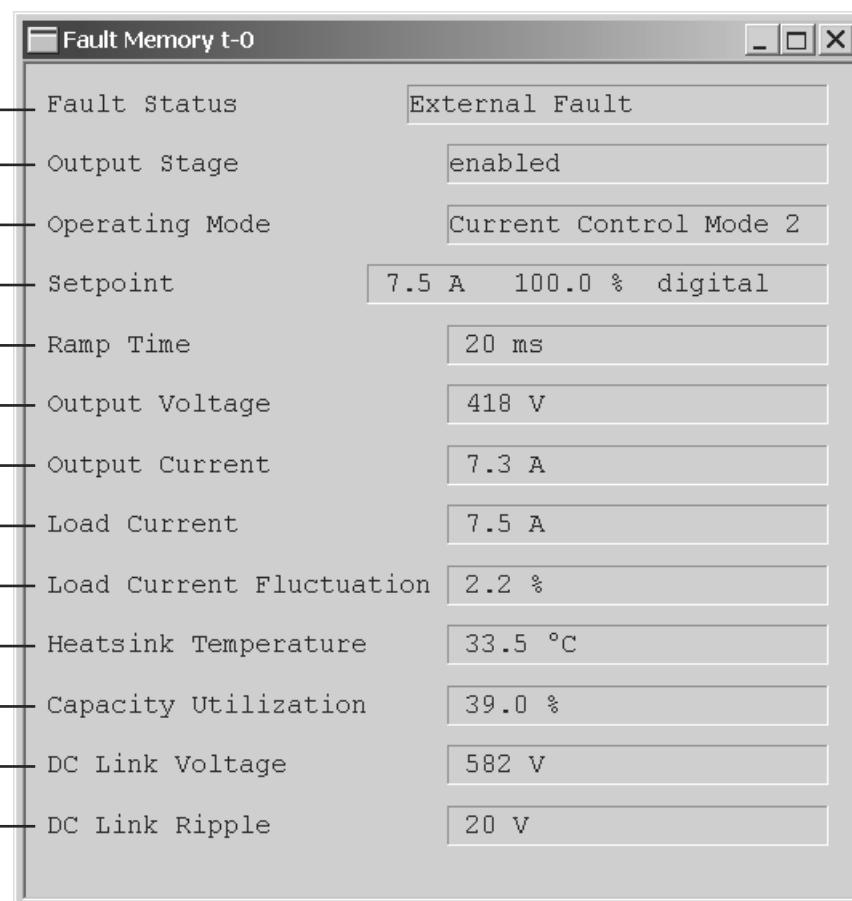
#### Display

Proceed as follows to display the fault memories:

1. Choose the required fault memory, e.g. "Fault memory t-0", from the "Display Values" menu.

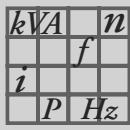
Alternatively, you can open the information window by double-clicking on the entry (e.g. "Fault memory t-0") in the list on the left side of the work area.

The window "Fault memory t-0" is displayed:



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- [1] Fault status display field
- [2] Output stage display field
- [3] Operating type display field
- [4] Setpoint display field
- [5] Ramp time display field
- [6] Output voltage display field
- [7] Output current display field
- [8] Load current display field
- [9] Load current fluctuation display field
- [10] Heat sink temperature display field
- [11] Capacity utilization display field
- [12] DC link voltage display field
- [13] DC link ripple display field



## Functions

### Fault memory

#### In the event of a fault

The information that is determined when an error occurs is displayed in the "Fault memory t-0" window and stored in the fault memory "t-0".

- **Fault status [1]**

The current fault status is displayed here.

- **Output stage [2]**

The status of the output stage is displayed here.

- **Operating mode [3]**

The current operating mode is displayed here.

- **Setpoint [4]**

The setpoint selection for the current is displayed here.

- **Ramp time [5]**

The ramp time is displayed here.

- **Output voltage [6]**

The r.m.s. value of the output voltage is displayed here.

- **Output current [7]**

The r.m.s. value of the output current is displayed here.

- **Load current [8]**

The r.m.s. value of the load current is displayed here.

- **Load current fluctuation [9]**

The load current fluctuation is displayed here, e.g. "1.7 ms".

- **Heat sink temperature [10]**

The heat sink temperature is displayed here.

- **Capacity utilization [11]**

The capacity utilization is displayed here.

- **DC link voltage [12]**

The DC link voltage is displayed here.

- **DC link ripple [13]**

The DC link ripple is displayed here.



For more information on the display values and what they mean, refer to the section "Process values".

## 6.4 Min./max. values

The minimum and maximum process values, recorded since the last time the unit was switched on, are stored in the "Min./max. values" window.

### Display

Proceed as follows to display the min./max. values:

1. Choose the menu item "Min./Max. Values" from the "Display Values" menu.

Alternatively, you can open the information window by double-clicking on the entry "Min./Max. Values" in the list on the left side of the work area.

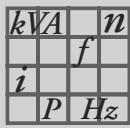
The window "Min./Max. Values" is displayed:

The screenshot shows a software window titled "Min/Max Values". The window contains a table with two columns: "Min" and "Max". The rows represent different measured values. A vertical list of numbers [1] through [9] on the left side of the table points to specific components of the table. A "Reset" button is located at the bottom left of the table area.

	Min	Max
[1] Output Voltage	176 V	178 V
[2] Output Current	3.0 A	3.1 A
[3] Load Current	2.7 A	3.1 A
[4] Load Current Fluctuation	0.7 %	1.4 %
[5] Heatsink Temperature	34.0 °C	34.3 °C
[6] Capacity Utilization	16.2 %	16.6 %
[7] DC Link Voltage	583 V	595 V
[8] DC link Ripple	9 V	10 V
[9] Reset		

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- [1] Output voltage display field
- [2] Output current display field
- [3] Load current display field
- [4] Load current fluctuation display field
- [5] Heat sink temperature display field
- [6] Capacity utilization display field
- [7] DC link voltage display field
- [8] DC link ripple display field
- [9] Reset button



## Functions

### Min./max. values

- Description**
- The following minimum and maximum process values are displayed stored in the "Min./Max. Values" window:
- **Output voltage [1]**  
The minimum and maximum values of the output voltage is displayed here.
  - **Output current [2]**  
The minimum and maximum values of the output current is displayed here.
  - **Load current [3]**  
The minimum and maximum values of the load current is displayed here.
  - **Load current fluctuation [4]**  
The minimum and maximum load current fluctuations are displayed here.
  - **Heat sink temperature [5]**  
The minimum and maximum heat sink temperatures are displayed here.
  - **Capacity utilization [6]**  
The minimum and maximum capacity utilization values are displayed here.
  - **DC link voltage [7]**  
The minimum and maximum DC link voltage values are displayed here.
  - **DC link ripple [8]**  
The minimum and maximum DC link ripple values are displayed here.



For more information on the display values and what they mean, refer to the section "Process values".

#### Reset

To reset these values to the current process values, press the reset button. Proceed as follows to reset the min./max. values:

1. Choose the menu item "Min./Max. Values" from the "Display Values" menu.  
Alternatively, you can open the information window by double-clicking on the entry "Min./Max. Values" in the list on the left side of the work area.  
The window "Min./Max. Values" is displayed.
2. In the "Min./Max. Values" window, press the "Reset" button [9].  
The documented display values are replaced by the current process values.

## 6.5 Compensation

The "Compensation" window is used during the startup of the MOVITRANS® TPS10A stationary converter to support the compensation of the line conductor.



To achieve the best measuring results it is important that no real power is transferred during the measurement.



For more information on this topic, refer to the "MOVITRANS® TAS10A" operating instructions under the section "Startup" (Startup steps).

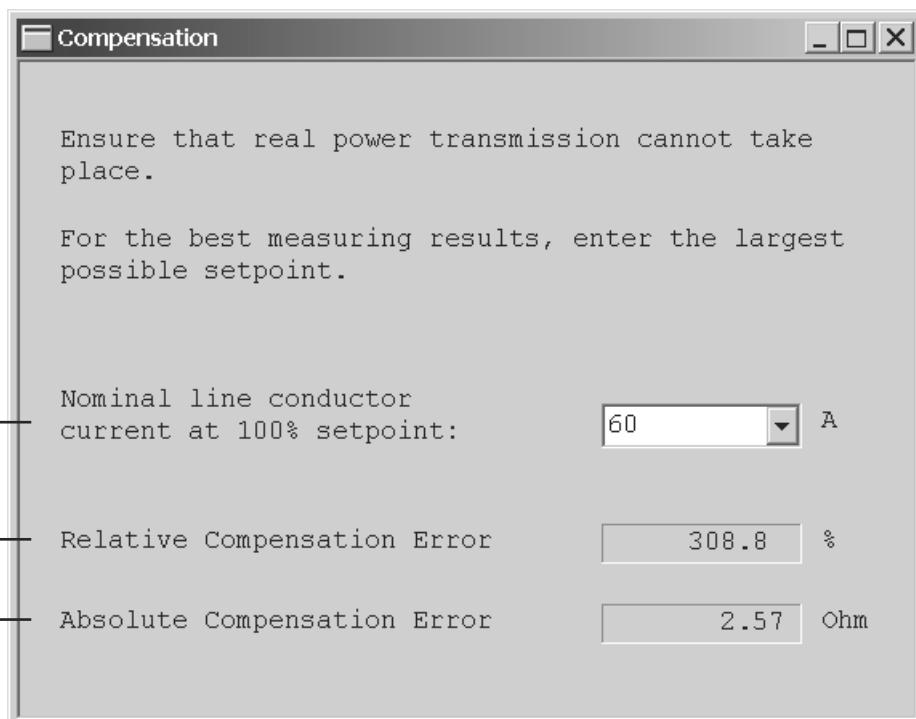
### Display

Proceed as follows to display the current compensation errors:

1. Choose the menu item "Compensation" from the "Startup" menu.

Alternatively, you can open the information window by double-clicking on the entry "Compensation" in the list on the left side of the work area.

The "Compensation" window is displayed:



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- [1] Selection list for the nominal line conductor current
- [2] Relativer compensation error display field
- [3] Absolute compensation error display field



**Description** The following information and compensation errors are displayed in the "Compensation" window:

- **Nominal line conductor current [1]**

The nominal line conductor current at 100 % setpoint is set here.

In the line conductor current field, enter the line conductor current for the system in question (rated output current of the MOVITRANS® TAS10A transformer module). This value is used to calculate the absolute compensation error correctly.

- **Relative compensation error [2]**

The relative compensation error is displayed here ( $\Delta r = \text{output current} / \text{load current}$  in %).

- **Absolute compensation error [3]**

The absolute compensation error is displayed here.

**Line conductor current** Proceed as follows to change the nominal line conductor current:

1. Choose the menu item "Compensation" from the "Startup" menu.

Alternatively, you can open the information window by double-clicking on the entry "Compensation" in the list on the left side of the work area.

The "Compensation" window is displayed.

2. Select the nominal line conductor current [1] at 100 % setpoint.

3. Click on the arrow next to the displayed value and make a selection from the list.

The selected nominal line conductor current (60 A or 85 A) is displayed.

## 6.6 Reset response

Information on the reset function is displayed in the "Reset response" window.

You can use the reset function to reset errors that occur in the MOVITRANS® TPS10A stationary converter automatically after a set time.



The auto reset function must not be used in systems where the automatic restart represents a risk of injury to persons or damage to equipment!



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function).

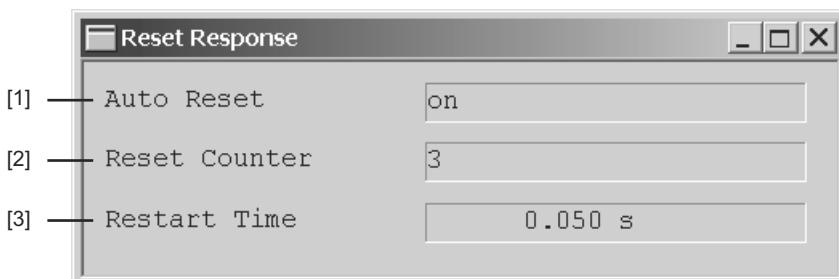
### Display

Proceed as follows to display the reset information:

1. Choose "Reset Response" from the "Unit Functions" menu.

Alternatively, you can open the information window by double-clicking on the entry "Reset Response" in the list on the left side of the work area.

The window "Reset response" is displayed:



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- [1] Auto reset display field
- [2] Reset counter display field
- [3] Restart time display field

### Description

The following information is displayed in the "Reset response" window:

- **Auto Reset [1]**

The current status of the auto reset function is displayed here. The following display values are possible:

- **On**

The auto reset function is activated.

- **Off**

The auto reset function is deactivated.

The auto reset function can be switched on (DIØ2="1") or switched off (DIØ2="0") via binary input DIØ2.



## Functions

### Reset response

- **Reset Counter [2]**

The number of resets possible is displayed here.

When the auto reset function is activated, up to 3 automatic resets are possible.

- **Restart Time [3]**

The restart time; that is the interval between the time when the fault occurs and the time it is reset, is displayed here.

The restart time is set to 50 ms.

#### Fault reset

The following errors can be reset automatically when the auto reset function is activated:

- Overcurrent
- External fault
- Overtemperature



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## Address List

### Address List

Germany			
<b>Headquarters Production Sales</b>	<b>Bruchsal</b>	SEW-EURODRIVE GmbH & Co KG Ernst-Bickle-Straße 42 D-76646 Bruchsal P.O. Box Postfach 3023 · D-76642 Bruchsal	Tel. +49 7251 75-0 Fax +49 7251 75-1970 <a href="http://www.sew-eurodrive.de">http://www.sew-eurodrive.de</a> <a href="mailto:sew@sew-eurodrive.de">sew@sew-eurodrive.de</a>
<b>Service Competence Center</b>	<b>Central Gear units / Motors</b>	SEW-EURODRIVE GmbH & Co KG Ernst-Bickle-Straße 1 D-76676 Graben-Neudorf	Tel. +49 7251 75-1710 Fax +49 7251 75-1711 <a href="mailto:sc-mitte-gm@sew-eurodrive.de">sc-mitte-gm@sew-eurodrive.de</a>
	<b>Central Electronics</b>	SEW-EURODRIVE GmbH & Co KG Ernst-Bickle-Straße 42 D-76646 Bruchsal	Tel. +49 7251 75-1780 Fax +49 7251 75-1769 <a href="mailto:sc-mitte-e@sew-eurodrive.de">sc-mitte-e@sew-eurodrive.de</a>
	<b>North</b>	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Straße 40-42 D-30823 Garbsen (near Hannover)	Tel. +49 5137 8798-30 Fax +49 5137 8798-55 <a href="mailto:sc-nord@sew-eurodrive.de">sc-nord@sew-eurodrive.de</a>
	<b>East</b>	SEW-EURODRIVE GmbH & Co KG Dänkritzer Weg 1 D-08393 Meerane (near Zwickau)	Tel. +49 3764 7606-0 Fax +49 3764 7606-30 <a href="mailto:sc-ost@sew-eurodrive.de">sc-ost@sew-eurodrive.de</a>
	<b>South</b>	SEW-EURODRIVE GmbH & Co KG Domagkstraße 5 D-85551 Kirchheim (near München)	Tel. +49 89 909552-10 Fax +49 89 909552-50 <a href="mailto:sc-sued@sew-eurodrive.de">sc-sued@sew-eurodrive.de</a>
	<b>West</b>	SEW-EURODRIVE GmbH & Co KG Siemensstraße 1 D-40764 Langenfeld (near Düsseldorf)	Tel. +49 2173 8507-30 Fax +49 2173 8507-55 <a href="mailto:sc-west@sew-eurodrive.de">sc-west@sew-eurodrive.de</a>
<b>Drive Service Hotline / 24 Hour Service</b>			+49 180 5 SEWHELP +49 180 5 7394357
Additional addresses for service in Germany provided on request!			
France			
<b>Production Sales Service</b>	<b>Haguenau</b>	SEW-USOCOME 48-54, route de Soufflenheim B. P. 20185 F-67506 Haguenau Cedex	Tel. +33 3 88 73 67 00 Fax +33 3 88 73 66 00 <a href="http://www.usocome.com">http://www.usocome.com</a> <a href="mailto:sew@usocome.com">sew@usocome.com</a>
<b>Assembly Sales Service</b>	<b>Bordeaux</b>	SEW-USOCOME Parc d'activités de Magellan 62, avenue de Magellan - B. P. 182 F-33607 Pessac Cedex	Tel. +33 5 57 26 39 00 Fax +33 5 57 26 39 09
	<b>Lyon</b>	SEW-USOCOME Parc d'Affaires Roosevelt Rue Jacques Tati F-69120 Vaulx en Velin	Tel. +33 4 72 15 37 00 Fax +33 4 72 15 37 15
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Additional addresses for service in France provided on request!			
Algeria			
<b>Sales</b>	<b>Alger</b>	Réducom 16, rue des Frères Zaghoun Bellevue El-Harrach 16200 Alger	Tel. +213 21 8222-84 Fax +213 21 8222-84
Argentina			
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<b>Australia</b>			
<b>Assembly Sales Service</b>	<b>Melbourne</b>	SEW-EURODRIVE PTY. LTD. 27 Beverage Drive Tullamarine, Victoria 3043	Tel. +61 3 9933-1000 Fax +61 3 9933-1003 <a href="http://www.sew-eurodrive.com.au">http://www.sew-eurodrive.com.au</a> <a href="mailto:enquires@sew-eurodrive.com.au">enquires@sew-eurodrive.com.au</a>
	<b>Sydney</b>	SEW-EURODRIVE PTY. LTD. 9, Sleigh Place, Wetherill Park New South Wales, 2164	Tel. +61 2 9725-9900 Fax +61 2 9725-9905 <a href="mailto:enquires@sew-eurodrive.com.au">enquires@sew-eurodrive.com.au</a>
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<b>Brazil</b>			
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	Additional addresses for service in Brazil provided on request!		
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<b>Sales</b>	<b>Sofia</b>	BEVER-DRIVE GmbH Bogdanovetz Str.1 BG-1606 Sofia	Tel. +359 2 9532565 Fax +359 2 9549345 <a href="mailto:bever@fastbg.net">bever@fastbg.net</a>
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<b>Sales</b>	<b>Praha</b>	SEW-EURODRIVE CZ S.R.O. Business Centrum Praha Luná 591 CZ-16000 Praha 6 - Vokovice	Tel. +420 a220121236 Fax +420 220121237 <a href="http://www.sew-eurodrive.cz">http://www.sew-eurodrive.cz</a> <a href="mailto:sew@sew-eurodrive.cz">sew@sew-eurodrive.cz</a>
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Estonia			
<b>Sales</b>	<b>Tallin</b>	ALAS-KUUL AS Paldiski mnt.125 EE 0006 Tallin	Tel. +372 6593230 Fax +372 6593231 <a href="mailto:veiko.soots@alas-kuul.ee">veiko.soots@alas-kuul.ee</a>
Finland			
<b>Assembly Sales Service</b>	<b>Lahti</b>	SEW-EURODRIVE OY Vesimäentie 4 FIN-15860 Hollola 2	Tel. +358 201 589-300 Fax +358 3 780-6211 <a href="http://www.sew-eurodrive.fi">http://www.sew-eurodrive.fi</a> <a href="mailto:sew@sew.fi">sew@sew.fi</a>
Gabon			
<b>Sales</b>	<b>Libreville</b>	Electro-Services B.P. 1889 Libreville	Tel. +241 7340-11 Fax +241 7340-12
Great Britain			
<b>Assembly Sales Service</b>	<b>Normanton</b>	SEW-EURODRIVE Ltd. Beckbridge Industrial Estate P.O. Box No.1 GB-Normanton, West- Yorkshire WF6 1QR	Tel. +44 1924 893-855 Fax +44 1924 893-702 <a href="http://www.sew-eurodrive.co.uk">http://www.sew-eurodrive.co.uk</a> <a href="mailto:info@sew-eurodrive.co.uk">info@sew-eurodrive.co.uk</a>
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<b>Sales Service</b>	<b>Athen</b>	Christ. Boznos & Son S.A. 12, Mavromichali Street P.O. Box 80136, GR-18545 Piraeus	Tel. +30 2 1042 251-34 Fax +30 2 1042 251-59 <a href="http://www.boznos.gr">http://www.boznos.gr</a> <a href="mailto:info@boznos.gr">info@boznos.gr</a>
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<b>Sales Service</b>	<b>Budapest</b>	SEW-EURODRIVE Kft. H-1037 Budapest Kunigunda u. 18	Tel. +36 1 437 06-58 Fax +36 1 437 06-50 office@sew-eurodrive.hu
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<b>Technical Offices</b>	<b>Bangalore</b>	SEW-EURODRIVE India Private Limited 308, Prestige Centre Point 7, Edward Road Bangalore	Tel. +91 80 22266565 Fax +91 80 22266569 salesbang@seweurodriveinindia.com
	<b>Mumbai</b>	SEW-EURODRIVE India Private Limited 312 A, 3rd Floor, Acme Plaza Andheri Kurla Road, Andheri (E) Mumbai	Tel. +91 22 28348440 Fax +91 22 28217858 salesmumbai@seweurodriveindia.com
<b>Ireland</b>			
<b>Sales Service</b>	<b>Dublin</b>	Alperton Engineering Ltd. 48 Moyle Road Dublin Industrial Estate Glasnevin, Dublin 11	Tel. +353 1 830-6277 Fax +353 1 830-6458
<b>Israel</b>			
<b>Sales</b>	<b>Tel-Aviv</b>	Liraz Handasa Ltd. Ahofer Str 34B / 228 58858 Holon	Tel. +972 3 5599511 Fax +972 3 5599512 lirazhandasa@barak-online.net
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<b>Ivory Coast</b>			
<b>Sales</b>	<b>Abidjan</b>	SICA Ste industrielle et commerciale pour l'Afrique 165, Bd de Marseille B.P. 2323, Abidjan 08	Tel. +225 2579-44 Fax +225 2584-36
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<b>Assembly Sales Service</b>	<b>Toyoda-cho</b>	SEW-EURODRIVE JAPAN CO., LTD 250-1, Shimoman-no, Iwata Shizuoka 438-0818	Tel. +81 538 373811 Fax +81 538 373814 sewjapan@sew-eurodrive.co.jp
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<b>Latvia</b>			
<b>Sales</b>	<b>Riga</b>	SIA Alas-Kuul Katlakalna 11C LV-1073 Riga	Tel. +371 7139386 Fax +371 7139386 info@alas-kuul.ee
<b>Lebanon</b>			
<b>Sales</b>	<b>Beirut</b>	Gabriel Acar & Fils sarl B. P. 80484 Bourj Hammoud, Beirut	Tel. +961 1 4947-86 +961 1 4982-72 +961 3 2745-39 Fax +961 1 4949-71 gacar@beirut.com



## Address List

Lithuania			
<b>Sales</b>	<b>Alytus</b>	UAB Irseva Merkines g. 2A LT-62252 Alytus	Tel. +370 315 79204 Fax +370 315 56175 <a href="mailto:info@irseva.lt">info@irseva.lt</a> <a href="http://www.sew-eurodrive.lt">www.sew-eurodrive.lt</a>
Luxembourg			
<b>Assembly Sales Service</b>	<b>Brüssel</b>	CARON-VECTOR S.A. Avenue Eiffel 5 B-1300 Wavre	Tel. +32 10 231-311 Fax +32 10 231-336 <a href="http://www.caron-vector.be">http://www.caron-vector.be</a> <a href="mailto:info@caron-vector.be">info@caron-vector.be</a>
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<b>Assembly Sales Service</b>	<b>Johore</b>	SEW-EURODRIVE SDN BHD No. 95, Jalan Seroja 39, Taman Johor Jaya 81000 Johor Bahru, Johor West Malaysia	Tel. +60 7 3549409 Fax +60 7 3541404 <a href="mailto:kchtan@pd.jaring.my">kchtan@pd.jaring.my</a>
Mexico			
<b>Assembly Sales Service</b>	<b>Queretaro</b>	SEW-EURODRIVE, Sales and Distribution, S. A. de C. V. Privada Tequisquiapan No. 102 Parque Ind. Queretaro C. P. 76220 Queretaro, Mexico	Tel. +52 442 1030-300 Fax +52 442 1030-301 <a href="mailto:scmexico@seweurodrive.com.mx">scmexico@seweurodrive.com.mx</a>
Morocco			
<b>Sales</b>	<b>Casablanca</b>	S. R. M. Société de Réalisations Mécaniques 5, rue Emir Abdelkader 05 Casablanca	Tel. +212 2 6186-69 + 6186-70 + 6186-71 Fax +212 2 6215-88 <a href="mailto:srm@marocnet.net.ma">srm@marocnet.net.ma</a>
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<b>Assembly Sales Service</b>	<b>Rotterdam</b>	VECTOR Aandrijftechniek B.V. Industrieweg 175 NL-3044 AS Rotterdam Postbus 10085 NL-3004 AB Rotterdam	Tel. +31 10 4463-700 Fax +31 10 4155-552 <a href="http://www.vector.nu">http://www.vector.nu</a> <a href="mailto:info@vector.nu">info@vector.nu</a>
New Zealand			
<b>Assembly Sales Service</b>	<b>Auckland</b>	SEW-EURODRIVE NEW ZEALAND LTD. P.O. Box 58-428 82 Greenmount drive East Tamaki Auckland	Tel. +64 9 2745627 Fax +64 9 2740165 <a href="mailto:sales@sew-eurodrive.co.nz">sales@sew-eurodrive.co.nz</a>
	<b>Christchurch</b>	SEW-EURODRIVE NEW ZEALAND LTD. 10 Settlers Crescent, Ferrymead Christchurch	Tel. +64 3 384-6251 Fax +64 3 384-6455 <a href="mailto:sales@sew-eurodrive.co.nz">sales@sew-eurodrive.co.nz</a>
Norway			
<b>Assembly Sales Service</b>	<b>Moss</b>	SEW-EURODRIVE A/S Solgaard skog 71 N-1599 Moss	Tel. +47 69 241-020 Fax +47 69 241-040 <a href="mailto:sew@sew-eurodrive.no">sew@sew-eurodrive.no</a>
Peru			
<b>Assembly Sales Service</b>	<b>Lima</b>	SEW DEL PERU MOTORES REDUCTORES S.A.C. Los Calderos, 120-124 Urbanizacion Industrial Vulcano, ATE, Lima	Tel. +51 1 3495280 Fax +51 1 3493002 <a href="mailto:sewperu@sew-eurodrive.com.pe">sewperu@sew-eurodrive.com.pe</a>
Poland			
<b>Assembly Sales Service</b>	<b>Lodz</b>	SEW-EURODRIVE Polska Sp.z.o.o. ul. Techniczna 5 PL-92-518 Lodz	Tel. +48 42 67710-90 Fax +48 42 67710-99 <a href="http://www.sew-eurodrive.pl">http://www.sew-eurodrive.pl</a> <a href="mailto:sew@sew-eurodrive.pl">sew@sew-eurodrive.pl</a>

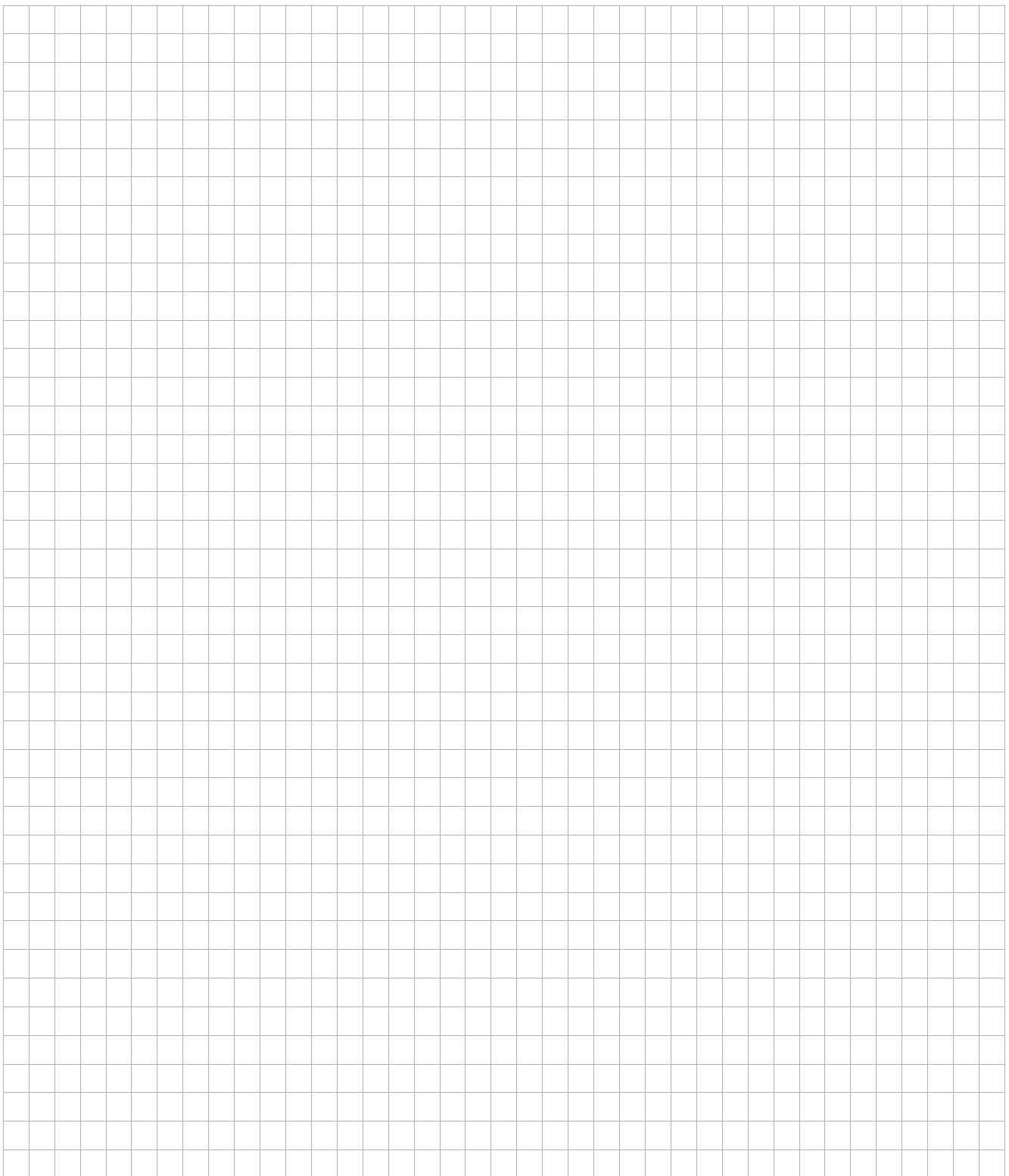


<b>Portugal</b>			
<b>Assembly Sales Service</b>	<b>Coimbra</b>	SEW-EURODRIVE, LDA. Apartado 15 P-3050-901 Mealhada	Tel. +351 231 20 9670 Fax +351 231 20 3685 <a href="http://www.sew-eurodrive.pt">http://www.sew-eurodrive.pt</a> <a href="mailto:infosew@sew-eurodrive.pt">infosew@sew-eurodrive.pt</a>
<b>Romania</b>			
<b>Sales Service</b>	<b>Bucuresti</b>	Sialco Trading SRL str. Madrid nr.4 011785 Bucuresti	Tel. +40 21 230-1328 Fax +40 21 230-7170 <a href="mailto:sialco@sialco.ro">sialco@sialco.ro</a>
<b>Russia</b>			
<b>Sales</b>	<b>St. Petersburg</b>	ZAO SEW-EURODRIVE P.O. Box 263 RUS-195220 St. Petersburg	Tel. +7 812 5357142 +812 5350430 Fax +7 812 5352287 <a href="http://www.sew-eurodrive.ru">http://www.sew-eurodrive.ru</a> <a href="mailto:sew@sew-eurodrive.ru">sew@sew-eurodrive.ru</a>
<b>Senegal</b>			
<b>Sales</b>	<b>Dakar</b>	SENEMECA Mécanique Générale Km 8, Route de Rufisque B.P. 3251, Dakar	Tel. +221 849 47-70 Fax +221 849 47-71 <a href="mailto:senemeca@sentoo.sn">senemeca@sentoo.sn</a>
<b>Serbia and Montenegro</b>			
<b>Sales</b>	<b>Beograd</b>	DIPAR d.o.o. Kajmakcalanska 54 SCG-11000 Beograd	Tel. +381 11 3088677 / +381 11 3088678 Fax +381 11 3809380 <a href="mailto:dipar@yubc.net">dipar@yubc.net</a>
<b>Singapore</b>			
<b>Assembly Sales Service</b>	<b>Singapore</b>	SEW-EURODRIVE PTE. LTD. No 9, Tuas Drive 2 Jurong Industrial Estate Singapore 638644	Tel. +65 68621701 Fax +65 68612827 <a href="mailto:sewsingapore@sew-eurodrive.com">sewsingapore@sew-eurodrive.com</a>
<b>Slovakia</b>			
<b>Sales</b>	<b>Sered</b>	SEW-Eurodrive SK s.r.o. Trnavska 920 SK-926 01 Sered	Tel. +421 31 7891311 Fax +421 31 7891312 <a href="mailto:sew@sew-eurodrive.sk">sew@sew-eurodrive.sk</a>
<b>Slovenia</b>			
<b>Sales Service</b>	<b>Celje</b>	Pakman - Pogonska Tehnika d.o.o. UI. XIV. divizije 14 SLO – 3000 Celje	Tel. +386 3 490 83-20 Fax +386 3 490 83-21 <a href="mailto:pakman@siol.net">pakman@siol.net</a>
<b>South Africa</b>			
<b>Assembly Sales Service</b>	<b>Johannesburg</b>	SEW-EURODRIVE (PROPRIETARY) LIMITED Eurodrive House Cnr. Adcock Ingram and Aerodrome Roads Aeroton Ext. 2 Johannesburg 2013 P.O.Box 90004 Bertsham 2013	Tel. +27 11 248-7000 Fax +27 11 494-3104 <a href="mailto:dross@sew.co.za">dross@sew.co.za</a>
	<b>Capetown</b>	SEW-EURODRIVE (PROPRIETARY) LIMITED Rainbow Park Cnr. Racecourse & Omuramba Road Montague Gardens Cape Town P.O.Box 36556 Chempet 7442 Cape Town	Tel. +27 21 552-9820 Fax +27 21 552-9830 Telex 576 062 <a href="mailto:dswanepoel@sew.co.za">dswanepoel@sew.co.za</a>
	<b>Durban</b>	SEW-EURODRIVE (PROPRIETARY) LIMITED 2 Monaceo Place Pinetown Durban P.O. Box 10433, Ashwood 3605	Tel. +27 31 700-3451 Fax +27 31 700-3847 <a href="mailto:dtait@sew.co.za">dtait@sew.co.za</a>



## Address List

Spain			
<b>Assembly Sales Service</b>	<b>Bilbao</b>	SEW-EURODRIVE ESPAÑA, S.L. Parque Tecnológico, Edificio, 302 E-48170 Zamudio (Vizcaya)	Tel. +34 9 4431 84-70 Fax +34 9 4431 84-71 <a href="mailto:sew.spain@sew-eurodrive.es">sew.spain@sew-eurodrive.es</a>
Sweden			
<b>Assembly Sales Service</b>	<b>Jönköping</b>	SEW-EURODRIVE AB Gnejsvägen 6-8 S-55303 Jönköping Box 3100 S-55003 Jönköping	Tel. +46 36 3442-00 Fax +46 36 3442-80 <a href="http://www.sew-eurodrive.se">http://www.sew-eurodrive.se</a> <a href="mailto:info@sew-eurodrive.se">info@sew-eurodrive.se</a>
Switzerland			
<b>Assembly Sales Service</b>	<b>Basel</b>	Alfred Imhof A.G. Jurastrasse 10 CH-4142 Münchenstein bei Basel	Tel. +41 61 41717-17 Fax +41 61 41717-00 <a href="http://www.imhof-sew.ch">http://www.imhof-sew.ch</a> <a href="mailto:info@imhof-sew.ch">info@imhof-sew.ch</a>
Thailand			
<b>Assembly Sales Service</b>	<b>Chon Buri</b>	SEW-EURODRIVE (Thailand) Ltd. Bangpakong Industrial Park 2 700/456, Moo.7, Tambol Donhuaroh Muang District Chon Buri 20000	Tel. +66 38 454281 Fax +66 38 454288 <a href="mailto:sewtailand@sew-eurodrive.co.th">sewtailand@sew-eurodrive.co.th</a>
Tunisia			
<b>Sales</b>	<b>Tunis</b>	T. M.S. Technic Marketing Service 7, rue Ibn El Heithem Z.I. SMMT 2014 Mégrine Erriadh	Tel. +216 1 4340-64 + 1 4320-29 Fax +216 1 4329-76
Turkey			
<b>Assembly Sales Service</b>	<b>Istanbul</b>	SEW-EURODRIVE Hareket Sistemleri Sirketi Bagdat Cad. Koruma Cikmazi No. 3 TR-34846 Maltepe ISTANBUL	Tel. +90 216 4419163 + 216 4419164 + 216 3838014 Fax +90 216 3055867 <a href="mailto:sew@sew-eurodrive.com.tr">sew@sew-eurodrive.com.tr</a>
USA			
<b>Production Assembly Sales Service</b>	<b>Greenville</b>	SEW-EURODRIVE INC. 1295 Old Spartanburg Highway P.O. Box 518 Lyman, S.C. 29365	Tel. +1 864 439-7537 Fax Sales +1 864 439-7830 Fax Manuf. +1 864 439-9948 Fax Ass. +1 864 439-0566 Telex 805 550 <a href="http://www.seweurodrive.com">http://www.seweurodrive.com</a> <a href="mailto:cslyman@seweurodrive.com">cslyman@seweurodrive.com</a>
<b>Assembly Sales Service</b>	<b>San Francisco</b>	SEW-EURODRIVE INC. 30599 San Antonio St. Hayward, California 94544-7101	Tel. +1 510 487-3560 Fax +1 510 487-6381 <a href="mailto:cshayward@seweurodrive.com">cshayward@seweurodrive.com</a>
	<b>Philadelphia/PA</b>	SEW-EURODRIVE INC. Pureland Ind. Complex 2107 High Hill Road, P.O. Box 481 Bridgeport, New Jersey 08014	Tel. +1 856 467-2277 Fax +1 856 845-3179 <a href="mailto:csbridgeport@seweurodrive.com">csbridgeport@seweurodrive.com</a>
	<b>Dayton</b>	SEW-EURODRIVE INC. 2001 West Main Street Troy, Ohio 45373	Tel. +1 937 335-0036 Fax +1 937 440-3799 <a href="mailto:cstroy@seweurodrive.com">cstroy@seweurodrive.com</a>
	<b>Dallas</b>	SEW-EURODRIVE INC. 3950 Platinum Way Dallas, Texas 75237	Tel. +1 214 330-4824 Fax +1 214 330-4724 <a href="mailto:csdallas@seweurodrive.com">csdallas@seweurodrive.com</a>
Additional addresses for service in the USA provided on request!			
Venezuela			
<b>Assembly Sales Service</b>	<b>Valencia</b>	SEW-EURODRIVE Venezuela S.A. Av. Norte Sur No. 3, Galpon 84-319 Zona Industrial Municipal Norte Valencia, Estado Carabobo	Tel. +58 241 832-9804 Fax +58 241 838-6275 <a href="mailto:sewventas@cantv.net">sewventas@cantv.net</a> <a href="mailto:sewfinanzas@cantv.net">sewfinanzas@cantv.net</a>



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**SEW  
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SEW-EURODRIVE GmbH & Co KG  
P.O. Box 3023 · D-76642 Bruchsal / Germany  
Phone +49 7251 75-0 · Fax +49 7251 75-1970  
[sew@sew-eurodrive.com](mailto:sew@sew-eurodrive.com)

→ [www.sew-eurodrive.com](http://www.sew-eurodrive.com)